

On my machine

```
caoquan:labwork2 caoquan$ gcc 02.practical.work.gethostbyname.c
caoquan:labwork2 caoquan$ ./a.out
Hostname please:
usth.edu.vn
address: 104.27.160.15
caoquan:labwork2 caoquan$ ./a.out
Hostname please:
google.com
address: 172.217.24.206
caoquan:labwork2 caoquan$ ./a.out
Hostname please:
facebook.com
address: 31.13.78.35
caoquan:labwork2 caoquan$ ./a.out
Hostname please:
vnexpress.net
address: 111.65.248.132
```

On my VPS

```
[ec2-user@ip-172-31-14-228 ~]$ gcc labwork.c
[ec2-user@ip-172-31-14-228 ~]$ ./a.out
Hostname please:
usth.edu.vn
address: 104.27.161.15
[ec2-user@ip-172-31-14-228 ~]$ ./a.out
Hostname please:
google.com
address: 172.217.194.101
[ec2-user@ip-172-31-14-228 ~]$ ./a.out
Hostname please:
facebook.com
address: 31.13.78.35
[ec2-user@ip-172-31-14-228 ~]$ ./a.out
Hostname please:
vnexpress.net
address: 111.65.248.132
```

The IP Addresses are the same. Because each server has their own public static IP address. The IP address is the same when resolved from every DNS server.